

Appl. No. : Unknown  
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**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently amended) A dental component for extending at least partially ~~An arrangement with an implant (13) and/or a unit e. g. spacer sleeve, belonging to said implant, which intended to extend through a hole formed in jaw bone (2) and through soft tissue (3) belonging to the jaw bone, the dental component comprising and to comprise one or more outer layers comprising consisting principally of titanium dioxide, wherein characterized in that each layer consists comprises of crystalline titanium dioxide which largely or completely assumes the anatase phase.~~

2. (Currently amended) The dental component as in claim 1, wherein arrangement ~~as claimed in patent claim 1, characterized in that anatase is present in a proportion of 70% - 100% in each layer (7).~~

3. (Currently amended) The dental component as in claim 1, wherein arrangement ~~as claimed in patent claim 1 or 2, characterized in that each layer has a thickness in the thickness range of about 0.05 - 10  $\mu$ m, preferably 0.5 - 10  $\mu$ m.~~

4. (Currently amended) The dental component as in claim 1, wherein arrangement ~~as claimed in patent claim 1, 2 or 3, characterized in that large parts of the outer surface or outer surfaces of the implant and/or of the unit a majority of the outer surfaces of the dental component are provided with the crystalline titanium dioxide largely assuming the anatase phase.~~

5. (Currently amended) The dental component as in claim 1, wherein arrangement ~~as claimed in any of patent claims 1-3, characterized in that one or more outer surfaces of the dental component implant and/or unit are provided with the crystalline titanium dioxide largely assuming the anatase phase.~~

6. (Currently amended) The dental component as in claim 1, wherein arrangement ~~as claimed in any of patent claims 1-5, characterized in that the implant comprises and/or the unit consists of or the dental component comprises a portion which can be placed against the soft~~

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tissue and which, by means of its crystalline titanium dioxide layer in the anatase phase, is intended to afford excellent or good soft tissue integration.

7. (Currently amended) The dental component as in claim 1, wherein arrangement as claimed in any of patent claims 1-6, characterized in that each titanium dioxide layer in the crystalline anatase phase comprises a bone stimulation substance, e. g. BMP, and/or substance (further) stimulating soft tissue integration.

8. (Currently amended) The dental component as in claim 1, wherein arrangement as claimed in any of the preceding patent claims, characterized in that an outer thread located on the dental component the implant and/or the unit is provided with outer layers of crystalline titanium dioxide largely assuming the anatase phase.

9. (Currently amended) The dental component as in claim 1, wherein a arrangement as claimed in any of the preceding patent claims, characterized in that the portion of the dental component configured to implant and/or unit that can be placed against the soft tissue comprises a threadless outer surface.

10. (Currently amended) The dental component as in claim 1, wherein a arrangement as claimed in any of the preceding patent claims, characterized in that the portion or surface (9a) configured to extend extending through the soft tissue is coated with layers of crystalline titanium dioxide in the anatase. phase along, for example, 2/3 of its length, and the remaining length or surface (9b) of said portion comprises constituting a part directed away from the implant can be substantially amorphous, rutile, or also in the anatase phase, and the length section with anatase can interact with the soft tissue in the connective tissue area (12).

11. (Currently amended) A method for producing a dental component, comprising: applying to outer layers of the dental component dental implant (5,13) and/or a unit (9) belonging to said implant with one or more outer layers of titanium dioxide, characterized in that it is an anodic oxidation method in which the part or parts bearing said outer layers is/are applied to a liquid (10) or electrolyte under voltage, for example comprising sulfuric acid and phosphoric acid, and

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choosing the voltage and the dwell time of the ~~part or parts~~ dental component in the liquid or electrolyte ~~are chosen~~ such that titanium dioxide, largely assumes ~~or completely assuming~~ the crystalline anatase phase, ~~is formed~~.

12. (Currently amended) The method as ~~elaimed~~ in patent claim 11, wherien characterized in that, for a given or predetermined first concentration of electrolyte, the voltage ( $\mathcal{U}$ ) is chosen with a first value in the range of 100-270 volts, and in that, at a second concentration or composition of electrolyte, the voltage is chosen with a second value, ~~ete~~.

13. (Currently amended) The method as claimed in patent claim 11 or 12, characterized in that the crystalline titanium dioxide is supplemented with a growth-stimulating substance, e. g. BMP, and/or measures.

14. (New) The dental component of claim 1, wherein each layer comprises of crystalline titanium dioxide which completely assumes the anatase phase.

15. (New) The dental component as in claim 3, wherein each layer has a thickness of between about 0.5 - 10  $\mu\text{m}$ .

16. (New) The dental component as in claim 1, wherein the bone stimulation substance-comprises BMP.

17. (New) The method as in Claim 11, wherein the liquid comprises comprising sulfuric acid or phosphoric acid.